

ABSTRACT

**[0021]** An X-ray apparatus and a mammographic X-ray apparatus are provided. The X-ray apparatus includes an X-ray beam generated by an X-ray source and a diaphragm. At least one LED is disposed as an indicator means between the X-ray source and the diaphragm. The illuminating beam of the at least one LED is directed in an undeflected fashion onto the X-ray field. The at least one LED may be pivotable (swivable) out of the X-ray beam. The at least one LED is mounted on a filter array that is mounted between the X-ray source and the diaphragm.